

AB = 4.90 cm

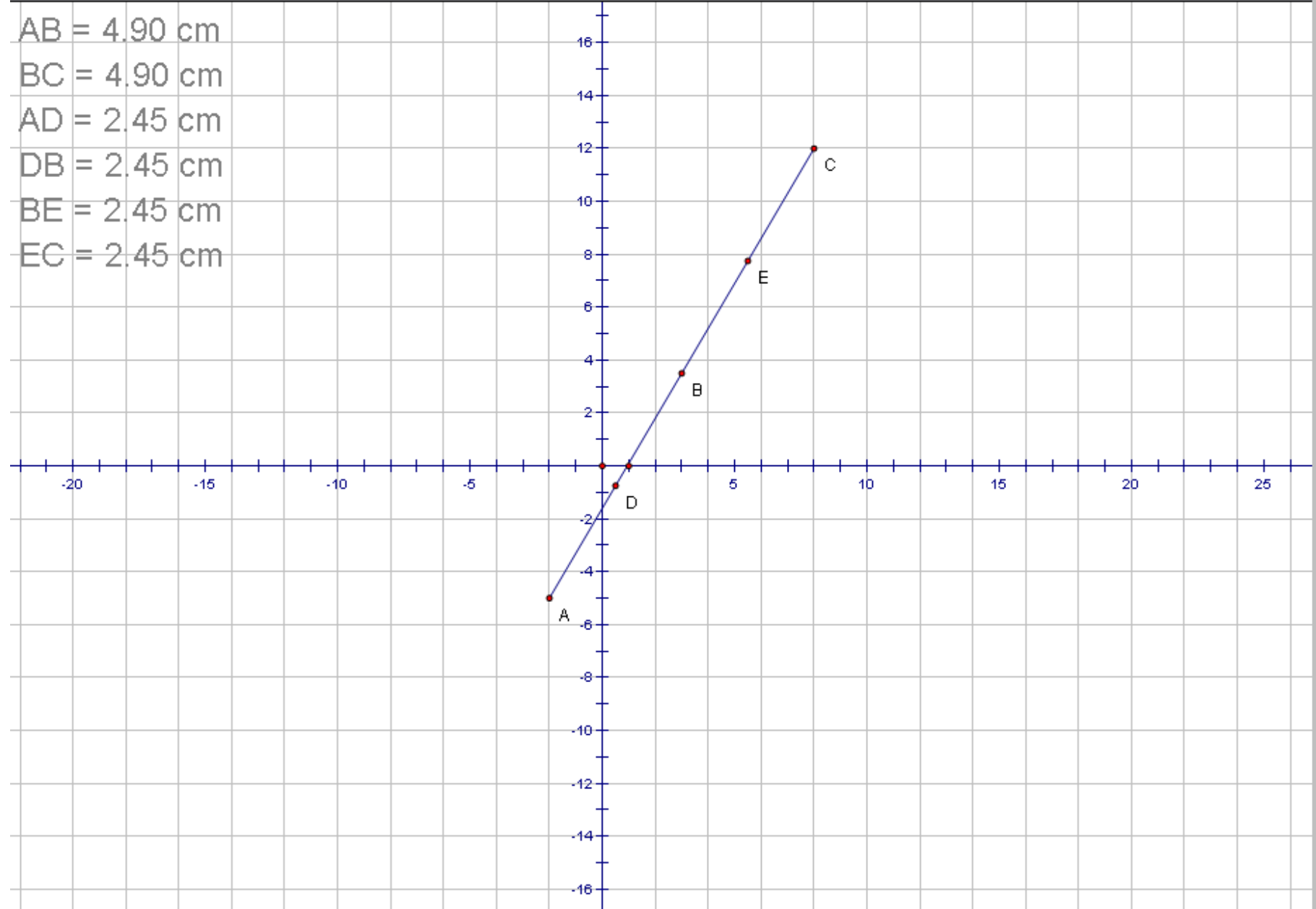
BC = 4.90 cm

AD = 2.45 cm

DB = 2.45 cm

BE = 2.45 cm

EC = 2.45 cm



AB = 4.90 cm

BC = 4.90 cm

AD = 2.45 cm

DB = 2.45 cm

BE = 2.45 cm

EC = 2.45 cm

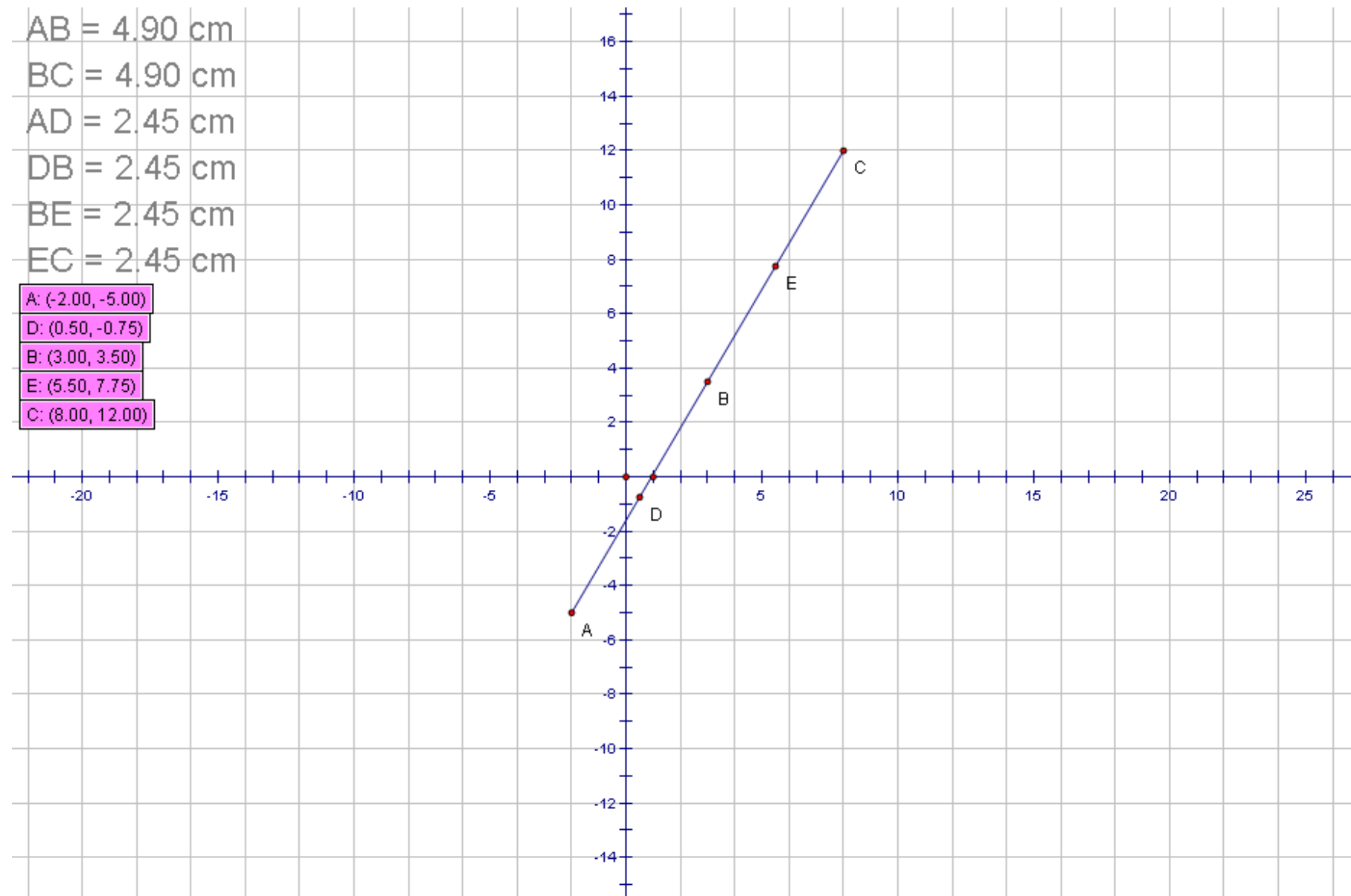
A: (-2.00, -5.00)

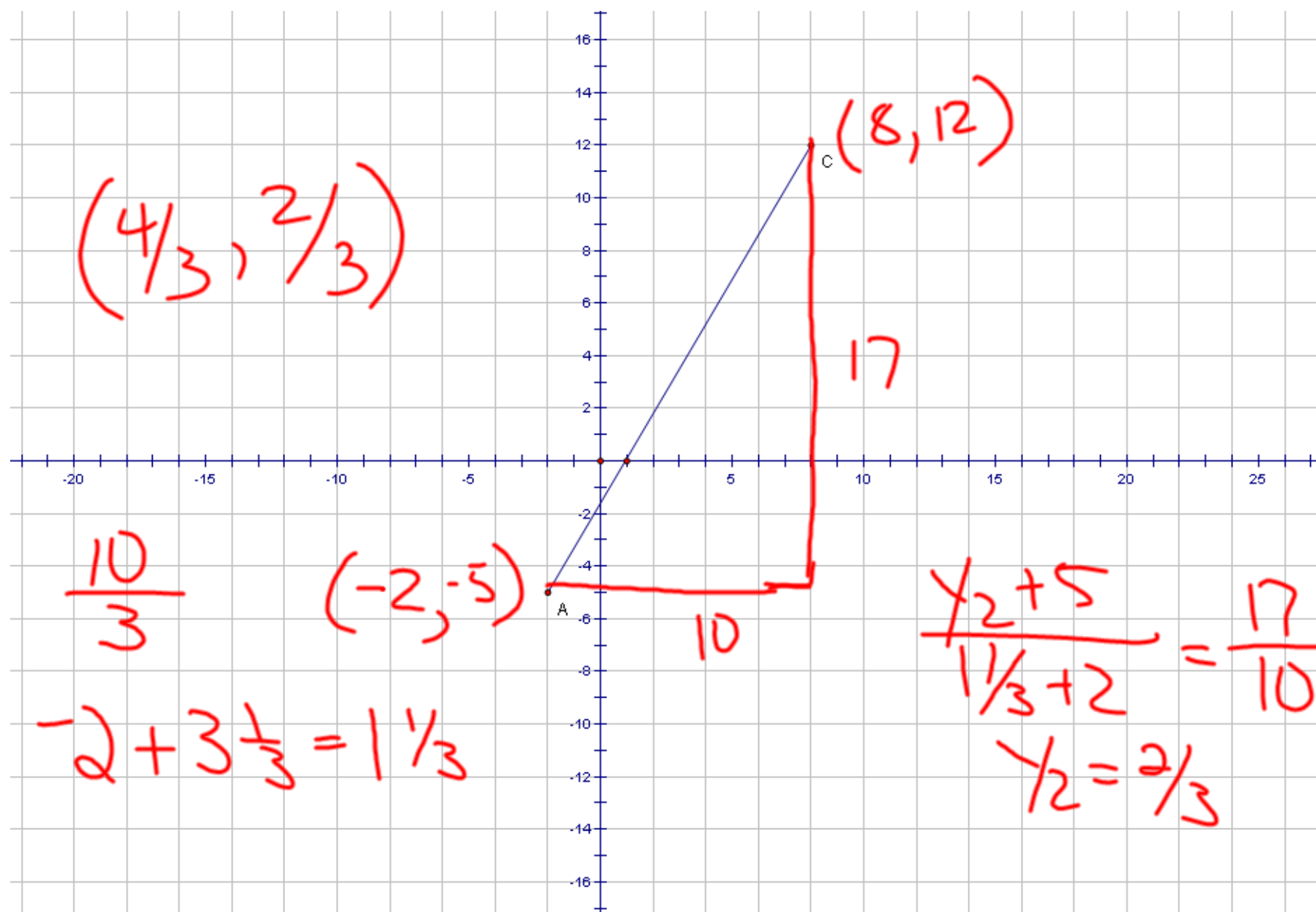
D: (0.50, -0.75)

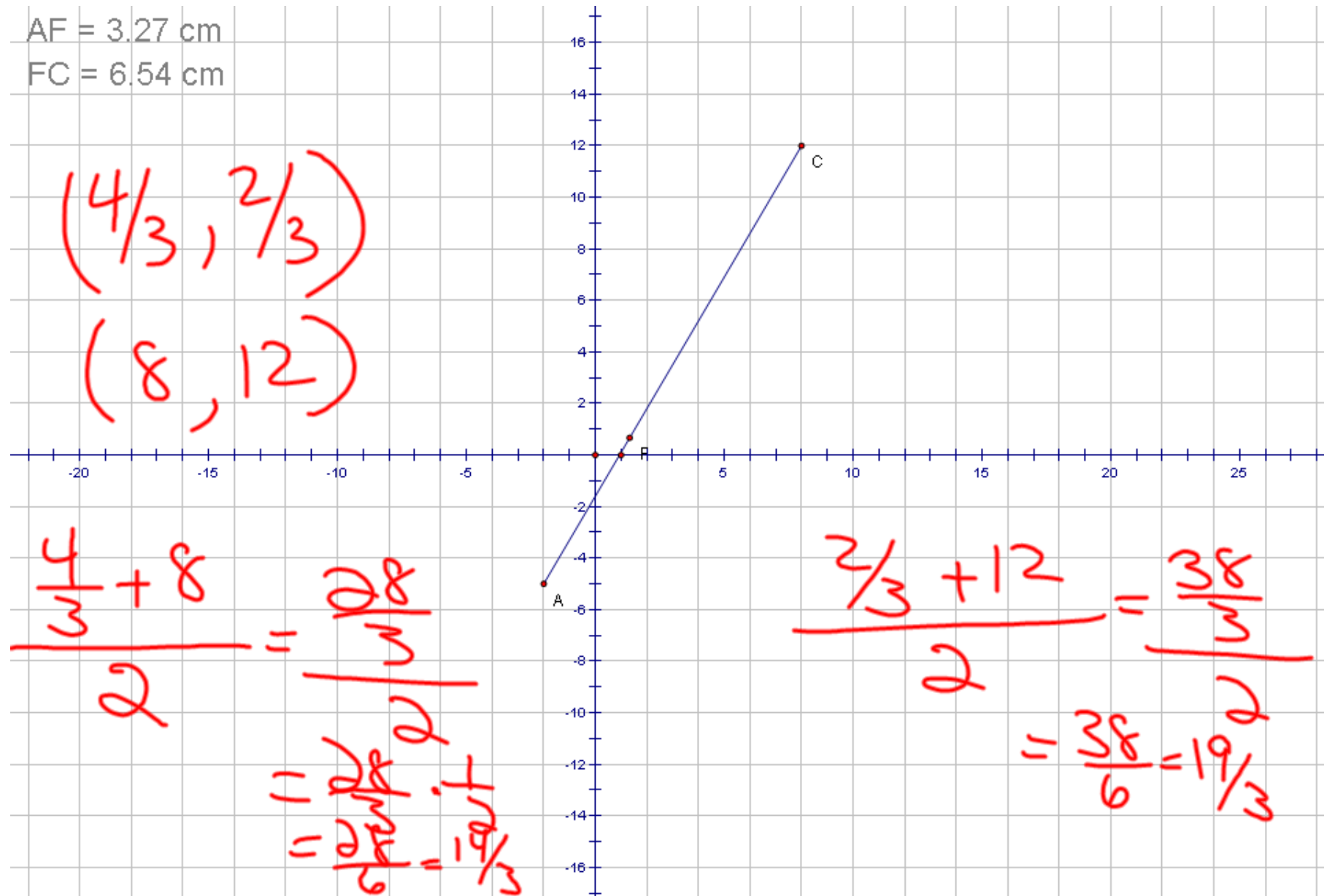
B: (3.00, 3.50)

E: (5.50, 7.75)

C: (8.00, 12.00)





$$FC = 6.54 \text{ cm}$$
$$(4/3, 2/3)$$
$$(8, 12)$$


$$\frac{\frac{4}{3} + 8}{2} = \frac{28}{2} = 14$$

$$\frac{\frac{2}{3} + 12}{2} = \frac{\frac{38}{3}}{2} = \frac{38}{6} = 19\frac{1}{3}$$

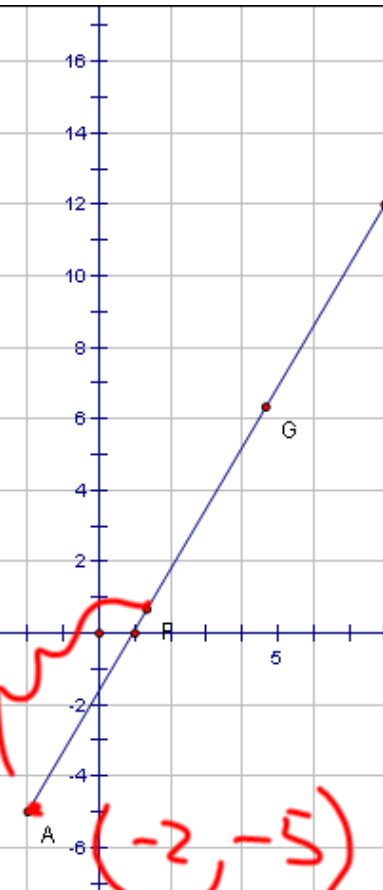
$$AF = 3.27 \text{ cm}$$

$$FC = 6.54 \text{ cm}$$

$$FG = 3.27 \text{ cm}$$

$$GC = 3.27 \text{ cm}$$

$$r = \frac{1}{3}$$

$$X = X_1 + r(x_2 - x_1)$$


$(-2, -5)$

$$X = -2 + \frac{1}{3}(8 + 2)$$

$$X = -2 + \frac{1}{3}(10)$$

$$X = -2 + \frac{10}{3}$$

$$X = \frac{-6}{3} + \frac{10}{3}$$

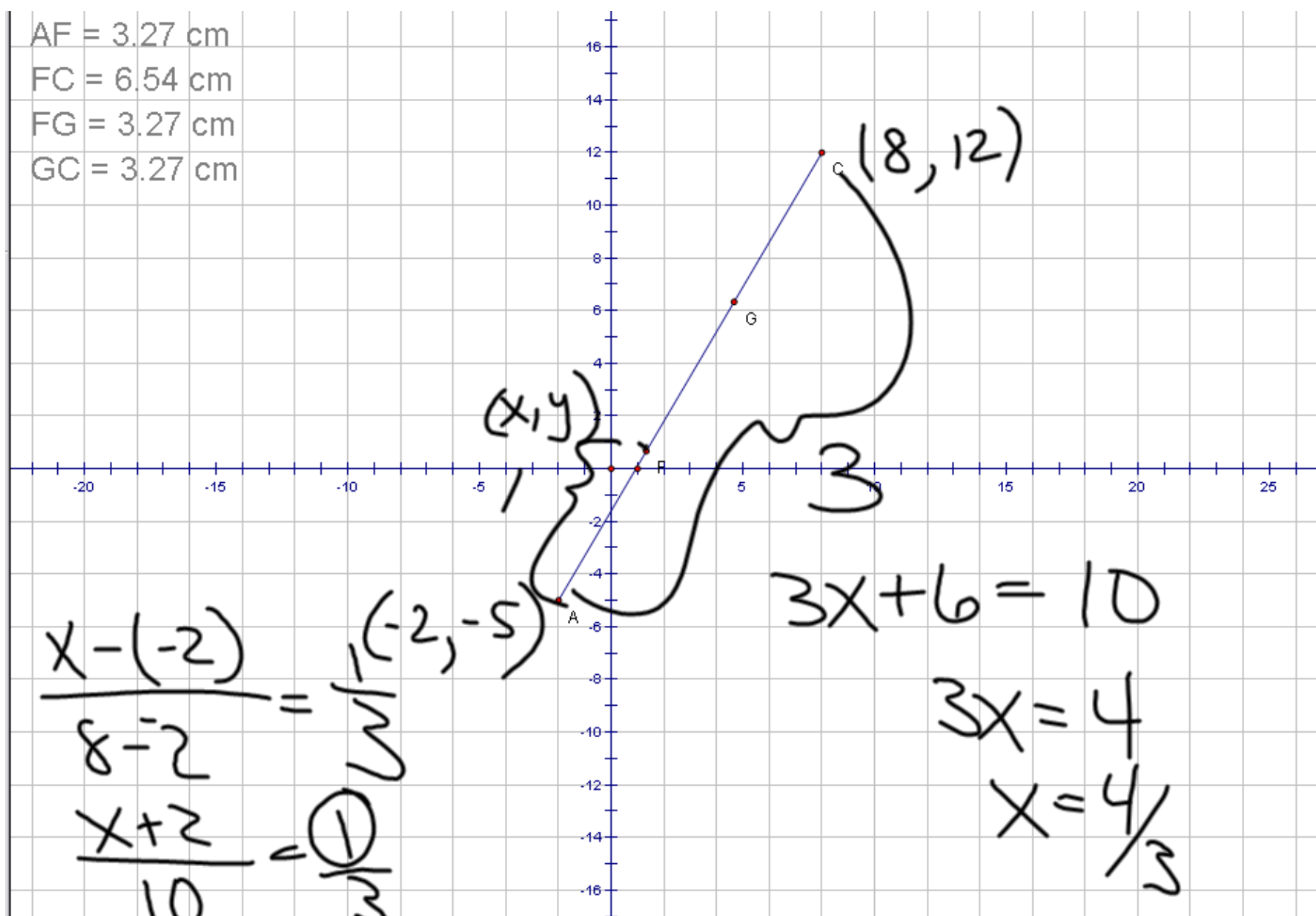
$$X = \frac{4}{3}$$

$$AF = 3.27 \text{ cm}$$

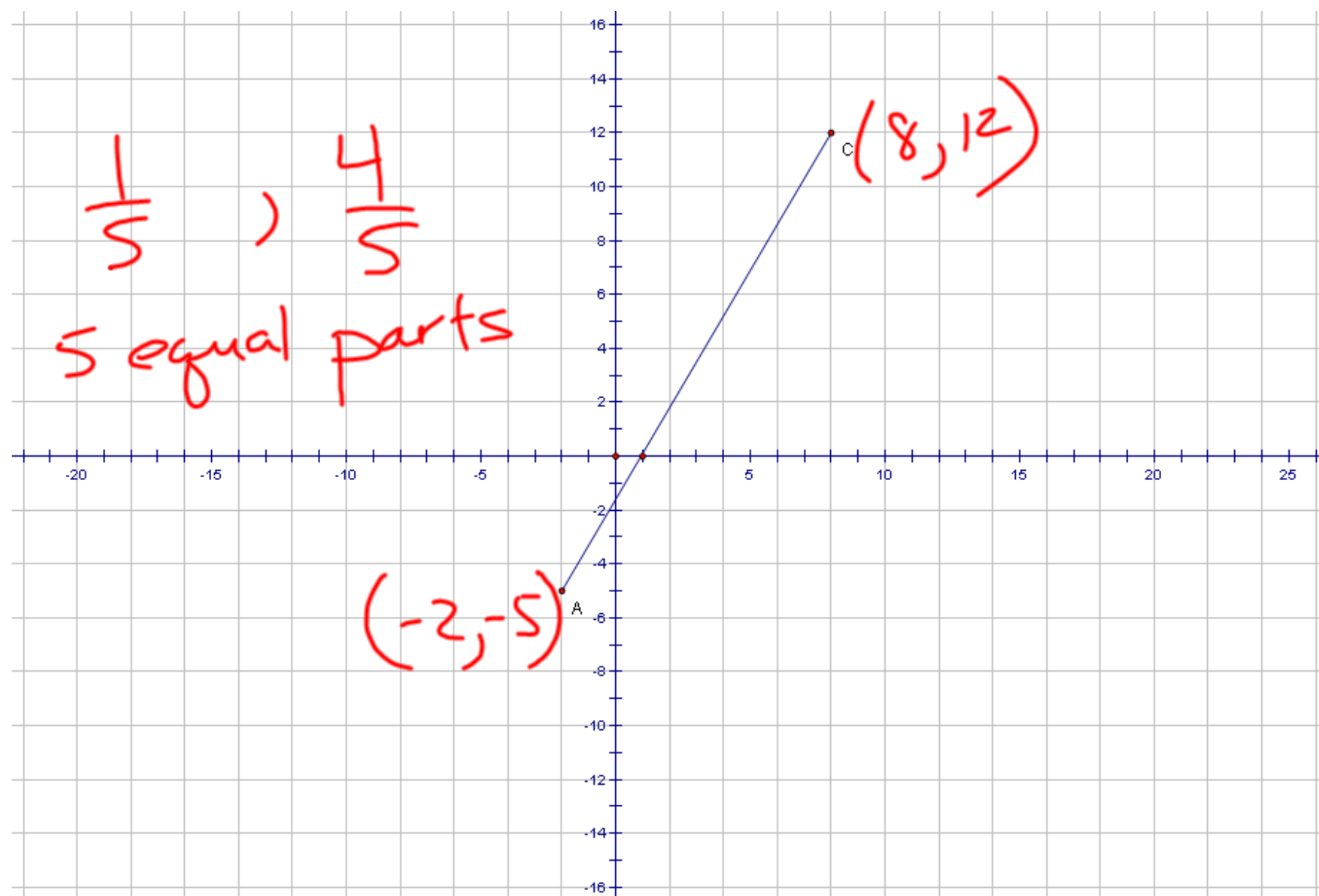
$$FC = 6.54 \text{ cm}$$

$$FG = 3.27 \text{ cm}$$

$$GC = 3.27 \text{ cm}$$



$\frac{1}{5}$, $\frac{4}{5}$
5 equal parts



Answer #1

$$(0, -1.6)$$

Answer #2

$$(6, \frac{43}{5})$$

How far away is $(-3, 5)$ from
the line $5x - y = 3$?

winplot